IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A rotating-body control device comprising:

first phase-matching means of Z-phase detection type successively energizing a rotating body for each of a plurality of phases of [[a]] the rotating body, the rotating body is rotated by the ~~which is driven through~~ energization and resultant excitation for each of the plurality of phases, for obtaining, when a Z-phase output of an encoder detecting a rotational angle of said rotating body is rendered ON, a correspondence between a count value calculated from an output signal of said encoder and the energized phases; and

second phase-matching means of Z-phase non-detection type successively energizing, when an abnormality in encoder output is detected under control by said first phase-matching means, the rotating body for each of said phases for a period of time in which said rotating body can ~~follow change of~~ rotate in accordance with the energized phases, for obtaining, when ~~final energization is done~~ the rotating body is no longer energized, a correspondence between a count value calculated from an output signal of said encoder and the energized phases.

Claim 2 (Original): The rotating-body control device according to claim 1, further comprising abnormality detecting means for determining that an abnormality occurs in said rotating body or said encoder if an amount of change of a count value calculated from an output signal of said encoder detecting a rotational angle of said rotating body is less than a predetermined threshold value when said rotating body is being rotated.

Claim 3 (Original): The rotating-body control device according to claim 2, wherein said amount of change is a difference between a count value when rotation of said rotating body starts and a count value when the rotation of said rotating body ends.

Claim 4 (Original): The rotating-body control device according to claim 2, wherein said amount of change is a difference between a maximum value and a minimum value of the count value when said rotating body is rotating.

Claim 5 (Original): The rotating-body control device according to claim 1, wherein said first phase-matching means and said second phase-matching means include abnormality detecting means for determining that an abnormality occurs in said rotating body or said encoder if an amount of change of said count value when said rotating body is being rotated is less than a predetermined threshold value.

Claim 6 (Original): The rotating-body control device according to claim 5, wherein said amount of change is a difference between a count value when rotation of said rotating body starts and a count value when the rotation of said rotating body ends.

Claim 7 (Original): The rotating-body control device according to claim 5, wherein said amount of change is a difference between a maximum value and a minimum value of the count value when said rotating body is rotating.

Claim 8 (Currently Amended): A rotating-body control device comprising:

a first phase-matching unit of Z-phase detection type successively energizing a rotating body for each of a plurality of phases of [[a]] the rotating body, the rotating body is rotated by the ~~which is driven through~~ energization and resultant excitation for each of the plurality of phases, for obtaining, when a Z-phase output of an encoder detecting a rotational angle of said rotating body is rendered ON, a correspondence between a count value calculated from an output signal of said encoder and the energized phases; and

a second phase-matching unit of Z-phase non-detection type successively energizing, when an abnormality in encoder output is detected under control by said first phase-matching unit, the rotating body for each of said phases for a period of time in which said rotating body can ~~follow change of~~ rotate in accordance with energized phases, for obtaining, when the rotating body is no longer energized ~~final energization is done~~, a correspondence between a count value calculated from an output signal of said encoder and the energized phases.

Claim 9 (Original): The rotating-body control device according to claim 8, further comprising an abnormality detecting unit for determining that an abnormality occurs in said rotating body or said encoder if an amount of change of a count value calculated from an output signal of said encoder detecting a rotational angle of said rotating body is less than a predetermined threshold value when said rotating body is being rotated.

Claim 10 (Original): The rotating-body control device according to claim 9, wherein said amount of change is a difference between a count value when rotation of said rotating body starts and a count value when the rotation of said rotating body ends.

Claim 11 (Original): The rotating-body control device according to claim 9, wherein said amount of change is a difference between a maximum value and a minimum value of a count value when said rotating body is rotating.

Claim 12 (Original): The rotating-body control device according to claim 8, wherein said first phase-matching unit and said second phase-matching unit include an abnormality detecting unit for determining that an abnormality occurs in said rotating body or said encoder if an amount of change of said count value when said rotating body is being rotated is less than a predetermined threshold value.

Claim 13 (Original): The rotating-body control device according to claim 12, wherein said amount of change is a difference between a count value when rotation of said rotating body starts and a count value when the rotation of said rotating body ends.

Claim 14 (Original): The rotating-body control device according to claim 12, wherein said amount of change is a difference between a maximum value and a minimum value of the count value when said rotating body is rotating.